

New claims

1. A method for operating a data carrier equipped with a communication device, a memory device and a program execution unit for executing function programs contained in the memory device, characterized by the following steps:
  - installing a function program in the memory device (110) of the data carrier for realizing a loader interface (120) which in turn makes it possible to reload function programs each realizing a load application (210),
  - providing a free memory space (130) available for the loader interface (120) in the memory device (110),
  - reloading at least one load application (210) via the communication device (60) into the memory device (110), said reloading being controlled by the loader interface (120), and the load application (210) being allotted a part of the free memory space (130) as an assigned address space (220).
2. A method according to claim 1, characterized by the following further step:
  - reloading at least one application program (230) via the communication device (60) by the program execution unit under the control of the load application (210) into the assigned address space (220) allotted thereto.
3. A method according to claim 1, characterized in that the loader interface (120) gives the control over an assigned address space (220) allotted to a load application (210) to the load application (210).
4. A data carrier having
  - a memory device (110) for receiving function and application programs,
  - a program execution unit (20) for executing function programs contained in the memory device (110),
  - a communication device (60),characterized by
  - a loader interface (120) realized as a function program for loading at least one load application (210), which permits the reloading of a further application program, into the memory device (110) via the communication device (60),

- ART 24 AMEND
- the loader interface (120) having associated therewith in the memory device (110) a free memory space (130) for receiving at least one load application.
5. A data carrier according to claim 4, characterized in that a load application (210) received in the memory device (110) controls a part (220) of the free memory space (130) associated with the loader interface (120), independently of the loader interface.
  6. A data carrier according to claim 4, characterized in that the load applications (210) are designed to link application programs (330) to be reloaded with application and function programs already present on the data carrier, during loading.
  7. A data carrier according to claim 6, characterized in that a load application (210) comprises limitations which prohibit the linking of an application program (330) to be newly loaded with one already present (311, 320).
  8. A method for operating a data carrier having a memory device for receiving function and application programs, a program execution unit for executing function and application programs contained in the memory device, and a communication device, characterized by the following steps:
    - equipping the data carrier with a function program realizing a loader interface (120, 210) for reloading application programs into the memory device,
    - equipping the data carrier with a management device for assigning address spaces in the memory device (110) to reloaded application programs,
    - providing the application program to be reloaded with badges containing information about the size of the memory space required for the application program,
    - evaluating the badge during reloading of an application program, and
    - assigning to the application program an address space in the memory device (110) coordinated with the determined size information.
  9. A method according to claim 8, characterized in that the badge furthermore contains information designating the application program.

10. A method according to claim 8, characterized in that the badge furthermore contains a signature for proving the authenticity of the application program.
11. A method according to claim 8, characterized in that the badges are issued by the issuer of the data carrier.
12. A data carrier having a memory device (110) for receiving function and application programs, a program execution unit (20) for executing function programs contained in the memory device, and a communication device (60), characterized by a loader interface (120, 210) realized as a function program, for reloading at least one application program into the memory device via the communication device (60), the loader interface (120, 210) having means for checking a badge of an application program to be loaded, and assigning memory space in the memory device (110) to an application program to be loaded in accordance with size information contained on the badge.